重组人YETS4蛋白

Recombinant YETS4 protein (His tag)

目录号 Catalog Number	541931
同用名 Synonyms	Glioma-amplified sequence 41; Gas41; NuMA-binding protein 1; NuBI-1; NuBI1
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	O95619
分子量 Molecular Weight	Predictes a molecular mass of 28.12 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVHHHHH HGGSMFKRMA EFGPDSGGRV KGVTIVKPIV YGNVARYFGK KREEDGHTHQ WTVYVKPYRN EDMSAYVKKI QFKLHESYGN PLRVVTKPPY EITETGWGEF EIIIKIFFID PNERPVTLYH LLKLFQSDTN AMLGKKTVVS EFYDEMIFQD PTAMMQQLLT TSRQLTLGAY KHETEFAELE VKTREKLEAA KKKTSFEIAE LKERLKASRE TINCLKNEIR KLEEDDQAKD I
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile 25 mM HEPES, 150 mM NaCl, pH 7.4
纯度 Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 1-227 aa (O95619) were fused with N-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

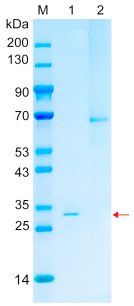
功能描述

研究背景 Background

Recombinant YEATS4 (YEATS domain-containing protein 4) fragment encompassing the complete YEATS domain (amino acids 1-227). This high-purity recombinant protein serves as an essential tool for studying chromatin recognition mechanisms, specifically investigating the YEATS domain's role in binding acylated histone H3 modifications and its function within the NuA4 histone acetyltransferase complex.
YEATS4 (also known as Gas41 or NuBI-1) is a crucial chromatin reader component of the NuA4 histone acetyltransferase complex, which plays a fundamental role in transcriptional activation through acetylation of nucleosomal histones H4 and H2A. The protein specifically recognizes and binds acylated histone H3, demonstrating preferential binding to histone H3 diacetylated at Lys-18 and Lys-27 (H3K18ac and H3K27ac) or Lys-14 and Lys-27 (H3K14ac and H3K27ac), and also recognizes crotonylated histone H3. YEATS4 is localized to the nucleus and plays a key role in histone variant H2AZ1/H2A.Z deposition into specific

验证数据

SDS-PAGE



Recombinant YETS4 protein (His tag) SDS-PAGE
M: Marker; Lane 1: YETS4; Lane 2: BSA